### Rec'd POWFTO 14 FEB 2005

#### DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

×	Original		Supplemental		Substitute
As a	a below named inventor, I her	eby dec	clare that:		
	•	•	tizenship are as stated below next to	my n	ame, and
I be and	lieve I am the original, first a	nd sole ne name	inventor (if only one name is listed e is listed below) of the subject matte	belov	v) or an original, first
Hsı	70 from Arthrobacter				
•	specification of which:				
	is attached hereto.				
	was filed on (da	ay/month	as Application No	_	
	and, if this box (□) contai	ns an 🗴	•		-
	□ was amended on	(day/	month/year)		
X	was filed as Patent Coope	eration T	reaty international Application No.		
	PCT/EP03/07602	°	n <u>14/07/2003</u> (day/month/year)		
	and, if this box (□) contai	ns an 🗴			
	entered the nation	al stage	e in the United States and was accor	ded /	Application No.
	and, if this box (□) contain	ns an ×	<del></del>		
	•		nt to entry into the national stage, on		
			, ,	_	(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORITY CLAIMED			IMED				
Great Britain	0216414.3	15/07/2002	×	Yes		No				
				Yes		No				
		•		Yes		No				
	•			Yes		No				
				Yes		No				
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:										
APPLICATION NO.		FILING DATE (day/month/year)								

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	International		
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date	
, ipplication in	(day/month/year)	Patent No.)		(day/month/year)	

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Steven Gareth GRIFFITHS		
Inventor's signature	* Cupitho	Date _	27/1/5 (day/month/year)
Residence	Moncton, New Brunswick, E1C 5W8, Canada,		
Citizenship	Great Britain		
Post Office Address	239 Weldon Street, Moncton, New Brunswick, E1C 5W8, Canada		
Full name of second joint inventor, if any	Rachael Jane RITCHIE		
Inventor's signature		Date _	(day/month/year)
Residence	Fredericton, New Brunswick, E3B 1S5, Canada		
Citizenship	Canada		
Post Office Address	618 Aberdeen St., Fredericton, New Brunswick, E3B 1S5, Canada		

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of third joint inventor, if any	Nathalie C. SIMARD		
Inventor's signature		Date	
			(day/month/year)
Residence	Fredericton, New Brunswick, E3B 7G2, Canada		
Citizenship	Canada		
Post Office Address	91 Piercy Crescent, Fredericton, New Brunswick, E3B 7G2, Canada		

## 10/521103 Rec'd POW/FTO 14 FEB 2005

#### DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

×	Original		Supplemental		Substitute				
	As a below named inventor, I hereby declare that:								
Му	residence, post office address	and	citizenship are as stated below next to	my	name, and				
and	believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled								
Hs	p70 from Arthrobacter								
he	specification of which:								
	is attached hereto.			•					
	was filed on (da	ay/mo	as Application No		· · · · · · · · · · · · · · · · · · ·				
	and, if this box (□) contai	ns an	×						
	□ was amended on	(d	ay/month/year)						
×	was filed as Patent Coope	eratio	n Treaty international Application No.						
	PCT/EP03/07602	,,	on <u>14/07/2003</u> (day/month/year)						
	and, if this box (□) contai	ns ar	×						
	☐ entered the nation	nal sta	age in the United States and was acco	rded	Application No.				
	and, if this box (□) contai	ns ar	<u> </u>						
	was amended, su	bseq	uent to entry into the national stage, o	n ·	(day/month/year)				

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				Yes		No				
				Yes		No				
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Application No.	Filing Date	Abandoned or U.S.	Application No. and Filing Date
	(day/month/year)	Patent No.)	(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Full name of sole or first joint inventor	Steven Gareth GRIFFITHS		
Inventor's signature		Date —	(day/month/year)
Residence	Moncton, New Brunswick, E1C 5W8, Canada,		·
Citizenship	Great Britain		
Post Office Address	239 Weldon Street, Moncton, New Brunswick, E1C 5W8, Canada		
Full name of second joint inventor, if any	Rachael Jane RITCHIE		
Inventor's signature		Date 	7 Jan 05 (day/month/year)
Residence	Fredericton, New Brunswick, E3B 1S5, Canada		
Citizenship	Canada		
Post Office Address	618 Aberdeen St., Fredericton, New Brunswick, E3B 1S5, Canada		

US

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Full name of third joint inventor, if any	Nathalie C. SIMARD		
Inventor's signature		Date -	(day/month/year)
Residence	Fredericton, New Brunswick, E3B 7G2, Canada		
Citizenship	Canada		
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I be	lieve I am the original, first	and sol	e inventor (if only one name is listed ne is listed below) of the subject matt	belo	w) or an original, first
Hsj	p70 from Arthrobacte	r		•	
the	specification of which:				
	is attached hereto.				
	was filed on (	(day/mon	as Application No		
	and, if this box (□) cont	tains an	×		
	□ was amended o		ny/month/year)		
X	was filed as Patent Coo	peration	Treaty international Application No.		
	PCT/EP03/07602		on <u>14/07/2003</u> (day/month/year)		
	and, if this box (□) cont	tains an	*		
	entered the nation	ional sta	ge in the United States and was acco	orded	Application No.
	and, if this box (□) cont	tains an	<u>x</u>		
	was amended,	subsequ	uent to entry into the national stage, o	n į	
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				Yes		No			
				Yes		·No			
·				Yes		No			
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Full name of second joint inventor, if any	Rachael Jane RITCHIE	4 444	
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Full name of third joint inventor, if any

Nathalie C. SIMARD

Inventor's signature

Nothali Jamas

Date

(day/month/year)

Residence

Fredericton, New Brunswick,

E3B 7G2, Canada

Citizenship

Canada

Post Office Address

91 Piercy Crescent, Fredericton, New Brunswick, E3B 7G2, Canada